

TOVBIN, M.V.; MUSIYENKO, V.P.; LYSYANSKIY, V.M.

Kinetics of extraction of substances from porous materials. Ukr.
khim.zhur. 28 no.4:467-472 '62. (MIRA 15:8)

1. Kiyevskiy gosudarstvennyy universitet imeni T.G.Shevchenko.
(Porous materials) (Extraction (Chemistry))

TOVBIN, M.V.; MUSIYENKO, V.P.; LYSYANSKIY, V.M.

Dynamics of iodine extraction from a silica gel layer.
Ukr. khim. zhur. 29 no.2:119-124 '63. (MIRA 16:6)

1. Kiyevskiy gosudarstvennyy universitet im. T.G. Shevchenko.
(Iodine) (Silica)
(Extraction(Chemistry))

LYSYANSKIY, Ye. B.

✓ Determination of moisture with the aid of calcium carbide.
E. B. Lysyanski. U.S.S.R. 104,691, Jan. 26, 1957.
Moisture in food products is detd. with the aid of CaC_2 from
the rate at which C_2H_2 is evolved. Calibration curves are
used. M. Hosh

LYSYANSKIY, Ye.B.

Rapid method of determining the moisture of sugar and of raw
raffinade mush. Sakh.prom. 34 no.7:34-38 '60. (MIRA 13:7)
(Sugar--Analysis)

ALEKSANDROVICH, K.D., mladshiy nauchnyy sotrudnik; LYSOVA, Z.A., starshiy
nauchnyy sotrudnik; Prinsipali uchastiye: FRIDMAN, B.N., starshiy
nauchnyy sotrudnik; GARANINA, V.P., mladshiy nauchnyy sotrudnik;
LYSYANSKIY, Ye.B., mladshiy nauchnyy sotrudnik

Studying the setting of card clothing and the mounting of high-
speed drawing machines. Nauch.-issl.trudy TSNILV 15:3-23 '61.
(MIRA 18:4)

LYSYANSKIY, Ye.B.

Rapid method for determining moisture content in sugar. Sakh.
prom. 35 no.12:40-41 D '61. (MIRA 15:1)
(Sugar--Analysis and testing)

LYSOVA, Z.A.; ALEKSANDROVICH, K.D., mladshiy nauchnyy sotrudnik; Prinimali uchastiye: FRIDMAN, B.N., starshiy nauchnyy sotrudnik; GARANINA, V.P., mladshiy nauchnyy sotrudni; LYSYANSKIY, Ye.B.

Comparing the technological efficiency of high-speed draw frames with 6 mm and 9 mm diameter combs. Nauch.-issl. trudy TSNIILV 16:118-126 '62. (MIRA 16:10)

1. Rukovoditel' eksperimental'noy laboratorii TSentralnogo nauchno-issledovatel'skogo instituta promyshlennosti lubyanykh volokon.

LYSYANSKIY, Ye.B., inzh.

High-speed calculation of temperature coefficients and temperature of
the maximum resistance value. Elektrotehnika 34 no.12:72-73 D '63.
(MIRA 17:1)

MYSHKIN, L.P.; LYSYANYI, G.N.; LOZINSKIY, V.A.

Hydrogeological grounds for establishing the oil and gas potential
of the convergence band in the inner and outer zones of the
Carpathian piedmont fault. Neft. i gaz. prom. no.2:5-7 Ap-Je '65.
(MIRA 18:6)

LYSYANYI, K.N.

Redesigning the automatic controller of the compressor
station of drilling rigs. Neftianik 5 no.3:20 Mr '60.

(MIRA 14:9)

(Compressors) (Automatic control)

GUNDER, O.A.; LYSYKH, A.N.

Decrease of the water absorption of capron parts. Plast.massy no.4:
70-72 '63. (MIRA 16:4)
(Polyamides) (Hygroscopicity)

BERNSHTEYN, S.; DANILOV, A.; LYSYKH, G.; MCHEDLOV-PETROSYAN, O. (Khar'kov)

Raising the strength of concrete by treating it with hyposulfate.
Stroi. mat. 4 no. 6:33 Je '58. (MIRA 11:7)
(Concrete)

ZASIMOV, Nikolay, F., starshiy slesar'; KULAGIN, N.K.; SHILIN, A.A.;
KISELEV, V.N.; LYSYKH, M.I.

Working day of seven hours. Elek.i tepl.tiaga 14 no.3:29
Mr '60 (MIRA 13:7)

1. Dizel'-agregatnaya brigada zagotovitel'nogo tsekha depo
Likhobory Moskovskoy dorogi.
(Nizhniye Likhobory--Railroad workers)
(Hours of labor)

LYSYKH, P.I.; KRYTSYN, P.M.

Combining communication offices is an important economy measure.
Vest.sviazi 16 no.7:25-26 J1 '56. (MLRA 9:9)

1.Zamestitel' nachal'nika Dregobychskogo oblastnogo upravleniya
svyazi (for Lysykh).2.Nachal'nik direktsii radiotranslyatsionnykh
setey (for Krytsyn).
(Dregobych Province--Telecommunication)

LYSYI, I.I., red.; NEMCHENKO, I.Yu., tekhn.red.

[Iaroslav Chyzh and his followers] Iaroslav Chyzh ta ioho
poslidovnyky. Kyiv, Derzh.vyd-vo sil's'kohospodars'koi lit-ry
URSR, 1960. 63 p. (MIRA 14:1)
(Swine)

RYAZANOV, V.S.; BUTUZOVA, V.P.; SIMONOV, G.V.; GOL'DSHTEYN, A.M.;
KORNEYEV, N.A.; AMOYLOV, Ya.M.; LYSYKH, I.V.;
KHMEI'NITSKIY, G.S.; KRUTIKOV, Ye.B.; ANTONOV, M.F.;
DOBROSEL'SKAYA, T.M.

[Recommendations for the establishment of schemes for
planning farming areas] Rekomendatsii po sostavleniiu
skhem planirovki sel'skokhoziaistvennykh raionov. Moskva,
Stroiizdat, 1965. 151 p. (MIRA 18:7)

1. Moscow. TSentral'nyy nauchno-issledovatel'skiy i
proyektnyy institut po gradostroitel'stvu. 2. TSentral'-
nyy nauchno-issledovatel'skiy i proyektnyy institut po
gradostroitel'stvu, Moskva.

AUTHORS: Lysykh, P.I., Deputy-Head; Krytsyn, P.M., Head SOV-111-58-9-17/30

TITLE: A Mobile Communications Department Trailer (Peredvizhnoye
otdeleniye svyazi na pritsepe)

PERIODICAL: Vestnik svyazi, 1958, Nr 9, p 20 (USSR)

ABSTRACT: The article describes the mobile postal and telephone department, the Drogobych Combined Communications Office. The unit consists of a van, fitted up as a small post office, which can be hitched to a truck for haulage and is set up in market places. Officials at tables outside the van sell fruit boxes and packaging materials for parcels. The finished packages are then registered and received in the van. Apart from the postal department, telephone facilities are also available. There is 1 photo.

ASSOCIATION: Drogobychskaya ob'yedinnaya kontora svyazi (Drogobych Combined Communications Office)

1. Communication systems--USSR

Card 1/1

LYSYKH, P.I.

Transport of mail on local routes. Vest.sviazi 18 no.1:23 Ja '58.
(MIRA 11:1)

1.Zamestitel' nachal'nika Drogo bychskogo oblastnogo upravleniya
svyazi.

(Postal service)

LYSYKH, T. S.

Lysykh, T. S.

"Investigation of the operation of an automobile disc brake and a method for calculating it." Min Automobile Industry USSR. State Union Order of Labor Red Banner Sci Res Automobile and Automotor Inst. Moscow, 1956 (Dissertation for the degree of Candidate in Technical Science)

Knizhnaya letonis

No. 15, 1956. Moscow

25(2)

PHASE I BOOK EXPLOITATION

SOV/2522

Lysykh, T.S., Candidate of Technical Sciences

Issledovaniye raboty diskovykh tormozov s usileniyem i metod ikh rascheta
(Investigating the Operation of Energizing Disk-type Brakes and Method
of Designing Them) Moscow, Mashgiz, 1959. 57 p. (Series: Gosudarstvennyy
soyuznyy ordena trudovogo krasnogo znamenii nauchno-issledovatel'skiy avto-
mobil'nyy i avtomotornyy institut, vyp. 86) Errata slip inserted. 1,000
copies printed.

Additional Sponsoring Agency: Glavniiprojekt pri Gosplane SSR.

Ed. of Publishing House: Ye.I. Lezhneva; Tech. Ed.: G.V. Smirnova;
Editorial Board of Series: M.A. Pashin (Chairman), A.A. Lipgart (Deputy
Chairman, Resp. Ed.), A.G. Al'perovich, S.G. Borisov, M.I. Briskin,
O.V. Dybov, Ya.G. Zil'berberg, A.S. Lozar', L.S. Lunev, P.V. Nagayev,
N.M. Pevzner, V.I. Pryadilov, K.S. Ramayya, G.I. Samol'. Ye.V. Sedova,
O.V. Tamurchi, N.S. Khanin, A.A. Chapchayev, S.B. Chistozvonov, and
Ye.M. Shkol'nikov; Managing Ed. for Literature on Automotive, Transport
and Agricultural Machine Building (Mashgiz): I.A. Bauman, Engineer.

Card 1/3

Investigating the Operation of Energizing (Cont,)

80V/2522

PURPOSE: This booklet is intended for scientists and technical personnel in the automobile industry

COVERAGE: The author discusses complete work cycles of pneumatic and hydraulic brakes. Based on the theory presented static and dynamic design methods are elaborated which can be used in designing disks. Comparative data on shoe and disk brakes are also given. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

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Investigating the Operation of Energizing (Cont.)

SOV/2522

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Complete work cycles of disk-type pneumatic brakes	19
Principles of designing disk-type pneumatic brakes	39
Complete work cycle of disk-type hydraulic brakes with tangential cylinders	41
Complete Work Cycle of Disk-type Hydraulic Brakes With Circular Cylinders	54
Comparing Parameters of Shoe and Disk Brakes. Conclusions	57

AVAILABLE: Library of Congress

Card 3/3

G0/gmp
11-25-59

LYSYKH, T.S., kand.tekhn.nauk

Experimental wheel disk brakes with also-pneumatic drives. Avt.
prom. no.1:33-35 Ja '59. (MIRA 12:1)
(Automobiles---Brakes)

LYSYKH, T.S., kand.tekhn.nauk

Crane brakes with hydraulic and pneumatic drives. Bezop.truda
v prom. 4 no.10:17-19 O '60. (MIRA 13:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut pod'yemno-
transportnogo mashinostroyeniya.
(Cranes, derricks, etc.--Brakes)

AGAPCHEV, M.I.; LYSYKH, V.G.; UZUMOV, E.I.; KALENT'YEV, V.A.; YAREMIYCHUK, R.S.

Collapse of the intermediate casing in salt sedimentation areas of western regions in the Ukraine. Neft. i gaz. prom. no.2:31-35 Ap-Je '63. (MIRA 17:11)

1. Trest "L'vovneftegazrazvedka" (for Agapchev, Lysykh, Uzumov).
2. Ukrainskiy nauchno-issledovatel'skiy geologorazvedochnyy institut (for Kalent'yev).
3. Proyektno-konstruktorskiy tekhnologicheskii institut L'vovskogo soveta narodnogo khozyaystva (for Yaremiychuk).

L 29919-66 EWT(1)/EWT(m)/I/EWP(t)/ETI IJP(c) GG/JD

ACC NR: AP6018038

SOURCE CODE: UR/0185/66/011/006/0653/0657 49

AUTHOR: Vakulenko, O. V.; Lysytsya, M. P.---Lisitsa, M. P.; Zayets', V. D.---Zayets, B. V. D.

ORG: Kiev State University im. T. G. Shevchenko (Kyyivs'kyi derzhuniversytet); Institute of Semiconductors, AN URSSR, Kiyev (Instytut napyvprovidnykiv. AN URSSR)

TITLE: Infrared spectrum of neutron-irradiated silicon 19

SOURCE: Ukrayins'kyi fizychnyy zhurnal, v. 11, no. 6, 1966, 653-657

TOPIC TAGS: neutron irradiation, irradiation damage, irradiation effect, absorption spectrum

ABSTRACT: An investigation was made of the ²⁷Si absorption spectrum in the range of wavelengths from 1 to 25 μ before and after irradiation with neutrons. A polished p-type Si specimen 2.13 mm thick with a specific resistance of $\rho = 5 \text{ ohm}\cdot\text{cm}$ was irradiated with neutrons with an average energy of 2 Mev and an integral flux intensity of $10^{18} \text{ neutrons/cm}^2$. The temperature of the specimen in the reactor did not exceed 100C. The investigation showed that the absorption band at $\lambda = 1.8 \mu$ is apparently not linked to residual impurities whose concentration does not exceed 10^{15} cm^{-3} . The concentration of centers responsible for this absorption, calculated using the Kravets integral, should be approximately $2 \times 10^{17} \text{ cm}^{-3}$. Numerous defects—Si vacancies caused by irradiation—play an important role in the creation of these centers. It is possible also that hydrogen or carbon, whose concentration in the

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ACC NR: AP6018038

specimen reaches 10^{19} cm^{-3} , plays a definite role in the creation of centers producing the band at $\lambda = 1.8 \mu$. It is assumed, however, that the band at $\lambda = 1.8 \mu$ arises as a result of the transition of an electron from the valence band to the level of $E_c - 0.40 \text{ ev}$. The absorption at $\lambda = 12 \mu$ is explained by the existence of Si-A-centers. Si-vacancies, created by neutron irradiation, even at room temperature cannot produce stable centers because of high mobility. The Si-A-centers are created when the Si-vacancies are attached to oxygen atoms. Orig. art. has: 3 formulas and 4 figures. [JA]

SUB CODE: 18/ SUBM DATE: 13Jul65/ ORIG REF: 007/ OTH REF: 008/ ATD PRESS: 50//

Card 2/2 CC

ACC NR: AP7004552

SOURCE CODE: UR/0185/66/011/007/0766/0774

AUTHOR: Kyrey, H. H.--Kirey, G. G.; Lysytsya, M. P.--Lisitsa, M. P.; Cholpan, P. P.--Cholpan, P. F.

ORG: [Kyrey; Lysytsya; Cholpan] Kiev State University im. T. H. Shevchenko, Kiev (Kyivskyy derzhuniversytet); [Kyrey; Lysytsya] Institute of Semiconductors, AN UkrSSR, Kiev (Instytut napyvprovidnykiv AN UkrSSR)

TITLE: Infrared spectra and intermolecular interactions in siloxanes
SOURCE: Ukrayins'kyi fizychnyy zhurnal, v. 11, no. 7, 1966, 766-774

TOPIC TAGS: siloxanes, IR spectrum, viscosity, temperature dependence

ABSTRACT: The temperature dependence of the integral absorption and half-width of the bands in infra-red spectra of methyl and ethyl-siloxanes were investigated by the authors. They compared the band parameters with such macro-characteristics of a liquid as viscosity and fluidity. The results show that the intermolecular field of force is the factor determining the magnitude and temperature dependence of the above mentioned characteristics. The authors thank Professor O. Z. Golyk for discussions of the work. Orig. art. has: 13 figures, 5 formulas and 2 tables. [JPRS: 37,330]

SUB CODE: 07,20 / SUBM DATE: 25May65 / ORIG REF: 023 / OTH REF: 004

Card 1/1

0926 1381

NECHIPORCHUK, I.D., doktor sel'skokhozyaystvennykh nauk; PAVLISHIN, M.N.;
POLYAKOVA, L.N.; LYSYUK, M.N.

Occurrence of natural accretion of hawthorn and medlar.
Agrobiologiya no.6.918-920 N-D '61. (MIRA 15:2)

1. L'vovskiy sel'skokhozyaystvennyy institut.
(Hawthorn) (Medlar)

LYSYUK, V.N.

RUSINOV, Igor' Nikolayevich; NAUMOV, Aleksandr Vasil'yevich; BENDOVSKIY, Mark Konstantinovich; LYSYUK, V.N., redaktor; SHAMAROVA, T.A., redaktor; KUZ'MIN, G.M., tekhnicheskii redaktor

[Organization and planning in cartography] Organizatsiia i planirovaniie kartograficheskogo proizvodstva. Pod obshshei red. V.N.Lysiuka. Moskva, Izd-vo geodezicheskoi lit-ry, 1954. 196 p. (MLRA 8:4)
(Cartography)

LYSYUK, V. N.

BARANOV, A.N., laureat Stalinskoy premii, redaktor; LYSYUK, V.N., redaktor; SHUROV, S.I., redaktor; AVSYUK, G.A., doktor geograficheskikh nauk, redaktor; VITVER, I.A., professor, doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; VOLKOV, N.M., professor, doktor geograficheskikh nauk, redaktor; GERASIMOV, I.P., akademik, redaktor; ZARUTSKAYA, I.P., dotsent, laureat Stalinskoy premii, redaktor; ZENKOVICH, V.P., professor, doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; ISAKOV, I.S., professor, admiral flota v otstavke, laureat Stalinskoy premii, redaktor; KUDRYAVTSEV, M.K., general-leytenant tekhnicheskikh voisk, redaktor; LARIN, D.A., redaktor; MARUSOV, L.Ya., inzhener-podpolkovnik, redaktor; MURZAYEV, E.M., doktor geograficheskikh nauk, laureat Stalinskoy premii, redaktor; PAVLOV, V.V., inzhener-polkovnik, laureat Stalinskoy premii; SADCHIKOV, S.F., redaktor; SALISHCHEV, K.A., professor, doktor tekhnicheskikh nauk, redaktor; FILIPPOV, Yu.V., professor, doktor tekhnicheskikh nauk, redaktor; EDEL'SHTEYN, A.V., redaktor; GUNBINA, T.N., redaktor.

[World atlas] Atlas mira. Moskva, 1954. 283 p.

(MLRA 7:9)

1. General'nyy gosudarstvennyy direktor topograficheskoy sluzhby (for Baranov)
2. Direktor topograficheskoy sluzhby (for Shurov)
3. Gosudarstvennyy direktor topograficheskoy sluzhby II ranga (for Lysyuk)
4. Direktor topograficheskoy sluzhby I ranga (for Gunbina, Larin, Sadchikov)
5. Direktor topograficheskoy sluzhby (for Edel'shteyn, Filippov)
6. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i karto-

(Atlases)

BARANOV, A.N., redaktor; LYSYUK, V.N., redaktor; SHUBOV, S.I., redaktor;
APENCHENKO, V.S., redaktor; ITENBERG, I.M., redaktor; KURAKINA, V.I.
redaktor; MOSTMAN, S.L., redaktor; SMIRNOVA, A.L., redaktor; TYURIN,
S. A.; YAKOVLEVA, A.K.; GUREVICH, I.V., tekhnicheskiy redaktor.

[World atlas; index of geographical names] Atlas mira; ukazatel'
geograficheskikh nazvanii. Moskva, 1954. 571 p. (MLRA 8:9)

1. Russia (1923- U.S.S.R.) Glavnoye upravleniye geodezii i kartografii.
(Atlases)

LYSYUK V. V.

World atlas and its role in the development of Soviet cartography.
Geod.i kart. no.1:24-30 Mr'56. (MIRA 9:10)
(Cartography)

LYSYUK, V.N.

Main cartographic projects in the sixth five-year plan. Geod. 1
kart. no. 8:44-48 0 '56. (MIRA 10:1)
(Cartography)

NIKISHOV, Maksim Ivanovich; LYSYUK, V.N., red.; SHAMAROVA, T.A., red. izd-va;
ROMANOVA, V.V., tekhn. red.

[Agricultural maps and atlases] Sel'skokhoziaistvennye karty i
atlasy. Moskva, Izd-vo geodez. lit-ry, 1957. 182 p.

_____[Supplement] 1957. 50 p. of maps. (MIRA 11:7)
(Agriculture--Maps)

3(2),3(4)

AUTHOR:

Lysyuk, V. N.

SOV/6-59-3-13/16

TITLE:

Geodesy and Cartography in the Chinese People's Republic
(Geodeziya i kartografiya v Kitayskoy Narodnoy Respublike)

PERIODICAL:

Geodeziya i kartografiya, 1959, Nr 3, pp 64-74 (USSR)

ABSTRACT:

The development of geodesy and cartography in China after 1949 to this day is briefly outlined in the present paper. In 1953-1954 the standard system of geodetic coordinates valid for the entire Chinese territory was laid down. The system is called "Coordinate System of Peking 1954" and "System of Altitudes Above the Yellow Sea Level". By the end of 1957 half the country was provided with modern high-precision primary triangulation series and levellings. In the same time a considerable part of the country was covered by new State topographic surveying works on scales of 1 : 50,000 and 1 : 100,000. The Main Administration of Geodesy and Cartography came into being at the State Council of the Chinese People's Republic. The tasks confronting this administration are enumerated. It supervises all departments of ministries and offices concerned with geodetic and topographic work. The Wu-han Institute of Geodesy and Cartography was likewise subordinated to the Central

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Geodesy and Cartography in the Chinese People's Republic

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Administration of Geodesy and Cartography (GUGK). In the fall of 1958 a topographic technical section and a two-year course for geodesists and topographers were added to the above Institute. At present, all works of a general national importance are carried out by the GUGK and the Military Topographic Center. In 1957-1958 the most important rules and signs were laid down. A brief survey of triangulation and levelling works is given. Also a high-precision gravimetric net was established. Recordings on the surveyor's table are ever more replaced by aerial photography. A control of topographic maps on a scale of 1 : 100,000, obtained by the stereotopographic method, showed that the errors of altitude and relief representation do not exceed allowed limits. In 1954 the semi-State owned Cartographic Institute "Hsin-ma" unified 16 small enterprises and now entertains 300 collaborators. The Institute has hitherto published 240 new maps and 17 atlantes. The general Chinese geographic atlas was published in 1957. Also reprints of Soviet atlantes were made. By 1961 primary triangulation is to be completed. The topographic map covering the entire country will be completed by 1967. The most important territories will be recorded on a scale of 1 : 25,000, other densely populated regions

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Geodesy and Cartography in the Chinese People's Republic

SOV/6-59-3-13/16

on 1 : 50,000, and deserts as well as high-mountain regions on 1 : 100,000. After 1967 cartographing will be done on a larger scale. A scientific research institute is to open in Peking in the course of 1959. 3 periodicals are being published: one is published by GORE and 41 issues have appeared since 1955 of the "Messenger of Geodesy and Cartography"; the organ of the Chinese Society of Geodesy and Cartography, the "Geodetic and Cartographic News" of which 5 issues have appeared since 1957, and "Translation of Foreign Papers on Geodesy and Cartography", of which 23 issues have appeared since 1957. At present there are 25 technical schools with 5,000 students all over China. On the university level is the Wu-han Institute of Geodesy and Cartography. It was established in 1956, based on the faculties of geodesy of the Universities of Shanghai, Tientsin and the Technical Institutes of Nanking, Tsingtao, and Hang-chou 2,500 students, 11% of which were girls, were enrolled in the fall of 1958. Among the 246 persons of the teachers' staff, 17 were professors, 11 docents, and 45 secondary school teachers.

Card 3/3

LYSYUK, V.N.

Cooperation in the production of cartographic works. Geod.i kart.
no.6:5-10 Je '61. (MIRA 14:6)

(Cartography)

LYSYUK, V.N.

"Compilation and editing of agricultural maps and atlases" by
M.I. Nikishov. Reviewed by V.N. Lysiuk. Geod. i kart. no.2:
67-71 F '61. (MIRA 14:9)

(Agriculture--Maps)
(Nikishov, M.I.)

GARAYEVSKAYA, Lyudmila Stepanovna; LYSYUK, V.N., red.; KOMAR'KOVA,
L.M., red. izd-va; SUNGUROV, V.S., tekhn. red.

[Editing of small-scale maps and atlases] Redaktirovanie melko-
masshtabnykh kart i atlasov. Moskva, Geodezizdat, 1962. 112 p.
(MIRA 15:6)

(Cartography)

KARPOV, N.S.; LYSYUK, V.N., red.; SHAMAROVA, T.A., red.izd-va; ROMANOVA, V.V.,
tekhn.red.

[Bibliographical index of literature on cartography published in
the U.S.S.R. between 1938-1958] Bibliograficheskii ukazatel'
literatury po kartografii, izdannyi v SSSR v 1938-1958 gg.
Moskva, Geodezizdat, 1962. 208 p. (Moscow: Tsentral'nyi nauchno-
issledovatel'skii institut geodezii, aerofotemki i kartografii.
Trudy, no.156). (MIRA 16:5)

(Bibliography—Cartography)

LYSYUK, V.N.

Twenty-fifth anniversary of the activity of the Scientific
Editorial Map-Compilation Section. Geod. i kart. no.8:3-9
Ag '63. (MIRA 16:9)
(Cartography)

LYSYUK, V.S., kand. tekhn. nauk; MATYUKHIN, V.V., inzh.

Failure of screw spikes. Vest. TSNII MPS 24 no.6:24-29 '65.
(MIRA 18:9)

LYSYUK, V.S., aspirant

What causes the weakening of wooden ties in rail chair areas.
Vest. TSNII MPS 20 no.7:35-39 '61. (MIRA 14:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zheleznodorozhnogo transporta.
(Railroads---Ties)

^V
LYSUK, V.S., inzh.

Protect ties against rail chair cuts. Put' i put.khoz. 5
no.11:28-29 N '61. (MIRA 14:12)
(Railroads---Ties)

LYSYUK, V.S., aspirant

Methods of protecting ties against plate cutting. Vest. TSNIIMPS
21 no.3:31-35 '62. (MIRA 15:5)
(Railroads--Ties)

LYSYUK, V.S.; BASSARSKIY, M.P.; FILIPPOVA, L.S., red.

[Mechanical wear of wooden ties and means for its prevention] Mekhanicheskii iznos dereviannykh shpal i mery ego preduprezhdeniia. Moskva, Transzheldorizdat, 1963.
(MIRA 17:7)

LYSYUK, V.S., kand.tekhn.nauk

Rail fastening to blocks. Put' i put.khoz. 10 no.1:35-38
'66. (MIRA 19:1)

LOBANOV, P.; BREZHNEV, D.; OL'SHANSKIY, M.; LYSENKO, T.; LISAVENKO, M.;
SINYAGIN, I.; YAKUSHKIN, I.; PREZENT, I.; VARUNTSYAN, I.; KOLESNIKOV,
V.; YEVTUSHENKO, A.; ZASYADNIKOV, T.; ALISOV, M.; UTEKHIN, A.;
GORSHKOV, I.; BELOKHONOV, I.; VIDENIN, K.; KARPOV, G.; CHERNENKO, S.;
BAKHAREV, A.; TIKHONOVA, A.; KUZ'MIN, A.; BUZULIN, G.; TOLMACHEV, I.;
LYSYUK, Ye.; KHARITONOVA, Ye.; KUSHNIRENKO, M.; NOVOPAVLOVSKAYA, N.;
ZHIRONKIN, I.; KATSURA, O.; KIRYUKHIN, I.; NIKITIN, B.; TSVETAYEVA, Z.;
ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.; LUTKOVA, I.;
TSVETAYEVA, Z.; ARKHIPOV, B.; OSTAPENKO, V.; IVANOV, V.; BUTUZOV, V.;
LUTKOVA, I.

P.N. Iakovlev; obituary. Agrobiologiya no.6:119 N-D '57.

(MIRA 10:12)

(Iakovlev, Pavel Nikanorovich, 1898-1957)

PONOMARENKO, V.A., kand. tekhn. nauk; KRAVCHINSKIY, S.Yu.;
VERKLOV, B.A., kand. tekhn. nauk; LYSYUK, V.S., inzh.

Establishing an optimum chart for underground mine haulage
by the electron modeling method. Ugol' Ukr. 9 no.12:19-21
D '65. (MIRA 19:1)

1. Donetskiy nauchno-issledovatel'skiy ugol'nyy institut
(for Ponomarenko, Kravchinskiy). 2. Kommunar'skiy gornometallur-
gicheskiy institut (for Verklov, Lysyuk).

LYSY, A, ED.

Slovo Gornyakov Donbassa. (The Voice of the Donetz Basin's Miners) Moskva Profizdat, 1951.

172 p. illus.

Cataloged from abstract.

Leading Donbas miners discuss their achievements and successes, as well as the various changes in the mines which brought a new, entirely domestic technology. Introduction, revealing the great accomplishments in the mechanization of coal extracting etc., is written by A. Zasyadko, Minister of Coal Industry, USSR.

LYSY, A.

LYSY, A., redaktor.

[The road to technological progress] Po puti tekhnicheskogo progressa.
Moskva Profizdat, 1953. 116 p. (MLRA 7:7)
(Technology)

LYSY, A., redaktor; RAKOVA, I., tekhnicheskiiy redaktor.

[Over-all competition in the "Zaporozhstal'" plant] Kompleksnoe
sorevnovanie na zavode "Zaporozhstal'." Moskva, Izd-vo VsesPS
Profizdat, 1953. 140 p. (MLRA 8:11)
(Socialist competition) (Steel industry)

LYSYI, A. [reviewer]; STARIKOV, V.N. [author]

Competition of Vologda ship repairmen ("Fighting to develop a progressive enterprise." V.N.Starikov. Reviewed by A.Lysyi), Sov.profsoinazy 1 no.3:86-88 N '53. (MLRA 6:12)
(Starikov, V.N.) (Vologda--Ships--Maintenance and repairs) (Maintenance and repairs--Ships--Vologda)

NEFAGIN, Aleksandr Fedorovich; LYSYY, A., red.; GOLICHENKOVA, A.,
tekhn. red.

[Strength of the collective; a trade-union groups effort
to increase labor productivity] Sila kollektiva; profgruppa
v bor'be za povyshenie proizvoditel'nosti truda. Moskva,
Profizdat, 1955. 29 p. (MIRA 16:8)

(Ural Mountain region--Electric equipment industry--Labor productivity)
(Trade unions)

LYSYY, A.; POPOV, A.S., red.; RAKOV, S.I., tekhn.red.

[Trade unions in the struggle for technical progress] Prof-
soiuzy v bor'be za tekhnicheskii progress. Moskva, Izd-vo
VTsSPS Profizdat, 1960. 335 p. (MIRA 14:3)
(Trade unions)

PEVZNER, L.M.; Prinimali uchastiye: IVANOVA, A.K.; PALIADIYEVA, M.V.;
RYNDINA, A.A.; ROGOVSKIY, N.M., otv. red.; LYSIY, A., otv. za
vypusk; MALEK, Z., tekhn. red.

[Excursions around Moscow, its suburbs and museums]Ekskursii
po Moskva, prigorodam i muzeiam. Moskva, Profizdat, 1947. 103 p.
(MIRA 15:12)

1. Vsesoyuznyy tsentral'nyy sovet professional'nykh soyuzov.
Turistsko-ekskursionnoye upravleniye.
(Moscow--Guidebooks)

LYSY, A.

Improve the exchange of opinions among the State Bank branches.
Den. i kred. 20 no.2:84-86 F '62. (MIRA 15:2)

1. Zamestitel' upravlyayushchego Kliniskim otdeleniyem
Gosbanka Moskovskoy oblasti.
(Klin---Banks and banking---Auditing and inspection)

LYSYY, I.P., kapitan zapasa

Maturity of the commanding officer. Vest. protivovozd. obr. no. 1:
71-74 Ja '61. (MIA 14'2)
(Khomula, Vasilli Maksimovic)

VILES OV, A.M., podpolkovnik; LYSYI, I.P., kapitan zapasa

What underestimating the force of public opinion leads to.
Vest. protivovozd. obor. no.7:7-12 J1 '61. (MIRA 14:8)
(Military discipline)

LYSYI, I.P.

Communists of a battery. Vest.proti vovozd.obor. no.10:40-41
0 '61. (MIRA 15:2)

(Russia--Army--Political activity)

KUZNETSOV, V.I.; BOBKOVA, A.A. [Bobrova, A.O.], LYSYI, P.L.

Effect of various factors on the deresination process of
lignite wax by the method of crystallization. Zbir.prats'
Inst.tepl.AN URSR no.23:71-79 '61. (MIRA 15:2)
(Lignite)
(Waxes)

DUTCHAK, Ya.I.; STETS'KIV, O.P.; LYSYY, S.I.

Thermoelectromotive force in liquid alloys of the system
antimony - bismuth. Fiz. met. i metalloved. 17 no.6:940-941
Je '64. (MIRA 17:8)

1. L'vovskiy gosudarstvennyy universitet imeni Ivana Franko.

LYSY, Yu. B.

The effect of fertilizers on some biochemical properties and yield of lupines poor in alkaloids. A. M. Vyshinskii, M. P. Zakirkova, and Yu. B. Lysyl. *Nauch. Trudy Ukr. Nauch.-Issledovatel. Inst. Sotsial. Zemledeliya* 7, 132-42 (1954); *Referat. Zhur. Khim., Biol. Khim.* 1955, No. 6753. A study was made of the effect of K, P + K, N + P + K, and P + K + B on the no. of seeds and their N, P + K, and alkaloid contents in Vefko variety. With any of the fertilizer formulas used, P and N accumulated mostly in the fruits (as compared with the straw) towards the end of the period of growth. P + K + B increased the bulk of the crop but reduced the alkaloid content. These effects were reversed with N-type fertilizer.

B. S. Levine

(2)

S/081/63/000/003/019/036
B144/B186

AUTHORS: Łyszczaż, Bolesław, Turkiewicz, Jan

TITLE: Apparatus for processing nuclear emulsions

PERIODICAL: Referativnyy zhurnal. Khimiya, no. 3, 1963, 483, abstract
3N399 (Rept. Inst. badań jądrow. PAN. no. 293/I-A, 1961,
7 pp., ill. [Eng.; summaries in Pol. and Russ.])

TEXT: An apparatus is described for the photographic processing of silver halide layers used in nuclear physics. Since the accuracy of measurements with the use of such films depends considerably on the processing method, temperature conditions particularly suitable for these purposes were used during development. [Abstracter's note: Complete translation.]

Card 1/1

KISIELINSKI, T.; LYSZCZARZ, J.

Progress in research on the activity of organic phosphorus compounds. Postepy biochem. 5 no.1:47-65 1959.

1. Lek. asyst. Wojowego Centr. Laboratorium Sanit.-Higienicznego w Warszawie. Lekarz, asystent tegoz laboratorium.
(PHOSPHATES, metabolism,
review (Pol))

LYSZCZARZ, Jerzy

Protective effect of electrical current in histamine shock in guinea pigs. Effect on asphyxia. Role of acidosis. Rozpr. wydz. nauk. med. 8 no.2:335-364 '63.

1. Adiunkt Zakładu Patologii Doświadczalnej PAN.

*

LYSZCZARZ, Jerzy

A simple method for determining oxygen uptake in small animals.
Acta physiol. Pol. 15 no.2:297-303 Mr-Apr '64.

1. Z Pracowni Patofizjologii Zakładu Patologii Doswiadczałnej
Polskiej Akademii Nauk, w Warszawie (Kierownik: prof. dr Z.
Ruszczewski; Kierownik Pracowni: doc. dr C. Maslinski).

ACC NR: AP7003321

SOURCE CODE: PO/0056/66/017/05-/0795/0802

AUTHOR: Lyszczarz, Jerzy--Lyshchash, Ya.; Glogowska, Maria--Glogovska, M.

ORG: Laboratory of Circulation Physiopathology/headed by Docent Dr. Z. Semerau-Siemianowski, Institute of Experimental Pathology/headed by Prof. Dr. Z. Ruszczewski, PAN, Warsaw (Pracownia Fizjopatologii Krazenia Zakladu Patologii Doswiadczalnej PAN)

TITLE: Effects of the composition of the atmosphere on respiratory functions

SOURCE: Acta physiologica polonica, v. 17, no. 5-6, 1966, 795-802

TOPIC TAGS: Anesthesiology, physiopathology, respiration, anoxic hypoxia, pulmonary gas exchange, lung ventilation, pulmonary oxygen consumption, pulmonary carbon dioxide, respiratory quotient, air ventilation equivalent, urethan chloralose anesthesia, lung ventilation valve, oximeter/Dieghy Zeigh valve, Soviet 057 oximeter

ABSTRACT: The purpose of the experiment was to study the influence of deep anoxic hypoxia upon gas exchange. The experiments were performed at room temperature on 7 male rabbits under urethan-chloralose anesthesia; 5 more rabbits were used as control animals. After immobilizing the rabbits, a canula

Card 1/2

ACC NR: AP7003321

was inserted in the carotid artery, and the trachea was cut and joined to a Diegby Zeigh valve. The animals then were made to inhale a mixture of 7 percent oxygen in nitrogen for 30 minutes, while diatomic oxygen consumption, elimination of carbon dioxide, the expiratory quotient, and the ventilation equivalent were determined. O_2 and CO_2 contents in the exhaled air were measured with a Haldane apparatus. Values of O_2 and CO_2 in mm^3/cm of body surface were calculated by the Kleiber method. Oxygen saturation of the blood was determined with a Soviet 057 oximeter. Breathing an air containing 7 percent of oxygen caused very profound disturbances in the gas exchange. Oxygen consumption dropped to approximately one third, the respiratory quotient rose about three times, oxygenation of arterial blood decreased to about one half, and ventilation became less effective, dropping to a fraction of its normal value. Low molecular pressure during inhalation made penetration of a sufficient quantity of oxygen into the capillary blood of the lungs more difficult. The drop in oxygen consumption was not accompanied by any significant changes in carbon dioxide elimination. Consumption of oxygen during oxygen debt restoration reached a level somewhat higher than that of the control animals. Sixty minutes after cessation of inhalation of the mixture the drop in oxygen consumption averaged 28 percent. These experiments can be used as a model of deep anoxic hypoxia. Orig. art. has: 1 figure and 2 tables. [WA-022] [DR]

SUB CODE: 06/SUBM DATE: 11Oct65/ORIG REF: 001/OTH REF: 026/

Card 2/2

KOPYSC, Zbyslaw; LYSZKOWICZ, Adela; LEWANDOWSKA, Krystyna; STABROWSKI, Mieczyslaw

Diffuse scleroderma in an infant (Scleroderma diffusa). Pediat. polska
32 no.7:847-853 July 58.

1. Z Oddziału Dziecięcego Szpitala Wojewódzkiego w Zielonej Górze
Dyrektor szpitala: dr med. Z. Pieniezny i z Oddziału Niemowlęcego Woj-
ewódzkiego Szpitala Dziecięcego w Poznaniu. Dyrektor szpitala; dr med.
M. Szenic. Adres: dr Z. Kopysc, Zielona Góra, ul. Moniuszki 39 m 1.
(SCLEREMA NEONATORUM, case reports
(Pol))

LYSZKOWSKI, Stanislaw, inz.

Technical progress and economy of metals. Przegl kolej mechan
13 no.6:171-172 Je '61.

LYSZKOWSKI, Stanislaw

Defect repair of locomotive sanders. Przegl kolej mechan 15
no.1:27-29 Ja '63.

1. Centralny Zarzad Trakcji, Warszawa.

LYSZKOWSKI, Stanislaw

Causes of defects of connecting rods and coupling rods during the operation of locomotives. Przegl kolej mechan 16 [i.e. 15] no. 6: 169-171 Je '63.

1. Centralny Zarzad Trakcji, Warszawa.

LYTAYEV, I.A., inzh.; RUDEMKO, Yu.N., kand. tekhn. nauk; YASNIKOV, V.N., inzh.

Features of using automatic frequency control in unified
power systems. Elek. sta. 36 no.9:26-30 S '65. (MIRA 18:9)

LYTAYEV, R.A., inzh.

Diagram for choosing the parameters of the damping circuits in
converter networks with electronic rectifiers. Elektrotehnika
35 no.4:47-49 Ap '64. (MIRA 17:4)

LYTAYEV, R.A., inzh.

Selection of the parameters of RC circuits in a network consisting
of a double-star and equalizing reactor. Elektrotehnika 36
no. 10:59-61 0 '65. (MIRA 18:10)

SADOVNIKOVA, V.I., starshiy nauchnyy sotrudnik; LYTAYEVA, G.K., aspirantka

Virus disease of Priekule early potatoes. Zashch. rast. ot vred.
1 bol. 9 no.12:12-14 '64. (MIRA 18:4)

1. Vsesoyuznyy institut zashchity rasteniy.

LYTKIN, A.M.

BELOV, N.S.; BIRYUKOV, I.V.; VERBLYUDOV, N.N.; GORBUNOVA, M.N.; YESIPOVA, M.M.;
IL'ICHEV, A.I.; IGNAT'YEVA, N.Ya.; KOVACHEVICH, P.M.; LYTKIN, A.M.;
LOSKUTOV, V.G.; MAZYUKOV, A.S.; MIROSHNICHENKO, N.Ya.; NEFEDOV, A.Ya.;
OSIPOV, K.V.; OSIPOV, P.M.; PETROV, N.G.; PETRACHKOV, M.I.;
PINEVICH, K.M.; POPOV, B.E.; POTAPOV, P.V.; PREDEIN, F.Ye.; PUKHOV, A.F.;
CHUSOVITINA, Ye.I.; ANGEL'SKIY, N., tekhn.red.

[The Kuznetsk Basin in the sixth five-year plan] Kuzbass v shestoi
piatiletke. [Kemerovo] Kemerovskoe knizhnoe izd-vo, 1956. 125 p.
(MIRA 10:12)

(Kuznetsk Basin)

L 27256-66 EWP(m)/EWT(1)/EWA(d)/EWA(1)

ACC NR: AP6009854

SOURCE CODE: UR/0413/66/000/004/0049/0050

AUTHOR: Lytkin, A. Ya.

ORG: none

TITLE: Device for heating gas with an electric arc. Class 21, No. 178920

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 4, 1966, 49-50

TOPIC TAGS: gas flow, electric arc, fuel heating

ABSTRACT: This Author Certificate presents a device for heating gas with an electric arc. The device contains a case of rectangular cross section with internal insulating facing. Flat electrodes are placed parallel to each other longitudinally on opposite walls of the case. To provide uniform gas flow at the output, the distance between the operating end surfaces of the electrodes placed opposite each other increases continuously toward the gas flow output.

SUB CODE: 13/ SUBM DATE: 24Jun64

Card 1/1 CC

UDC: 621.365.29

LYTKIN, B.M., gvardii podpolkovnik meditsinskoy sluzhby

Treating dry calluses, warts and hyperkeratosis of the feet. Voen.-
med.zhur. no.7:84-85 J1 '56. (MIRA 9:11)

(CALLOSITIES) (WARTS) (LOCAL ANESTHESIA)

LYTKIN, G. K.

PA 171T43

USSR/Electricity - Electrified Railroads
Ice Formation

Nov 50

"Electrical Melting of Glazed Frost on Railroad Contact Networks," G. K. Lytkin, Engr, Pyatigorsk.

"Elektrichestvo" No 11, pp 28-32

Notes importance of removing frost to prevent stalling of electrified trains. Describes electrical method of melting frost on contact networks used, after experimental testing in 1948-49, on Ordzhonikidze Railroad. Submitted 30 Jan 50.

171T43

LYTKIN, G. K., Eng.

Electric Cutouts

Improving insulation of VM-35 cutouts. Elek. sta. 23 No. 8, 1952.

Monthly List of Russian Accessions, Library of Congress, November, 1952.
Unclassified.

SOV/68-58-10-9/25

AUTHORS: Karavayev, N.M., Pil'skiy, I.Ya. and Lytkin, I.A.

TITLE: Coking of Coal-Tar Pitch in a Pseudofluidized Coke Layer (Koksovaniya kamennougol'nogo pitcha v psevdoozhizhennom sloye koksa)

PERIODICAL: Koks i Khimiya, 1958, Nr 10, pp 29 - 33 (USSR)

ABSTRACT: The possibility of the application of coking coal tar pitch on a fluidised bed of coke, as described in the literature for coking petroleum residues (English Refs 1, 3), is discussed. It is pointed out that the application of the fluidised bed technique will permit: increasing the production of coal tar pitch coke without a large capital expenditure; decreasing the production costs; improving the quality of the coke and by-products as the process will be more easy to control; simplifying the preparation of coke for the production of electrodes due to the possibility of producing coke of a more constant composition; producing coke from medium temperature pitch, thus, the process of production of high-temperature pitch will be unnecessary and the coking installation will

Card 1/2

SOV/68-58-10-9/25
Coking of Coal-Tar Pitch in a Pseudofluidized Coke Layer

become only a small part of the tar distillation plant.
There are 3 figures and 3 references, 2 of which are
English and 1 Soviet.

ASSOCIATION: Moskovskiy institut khimicheskogo mashinostroyeniya
(Moscow Institute of Chemical Machine Building)

Card 2/2

LYTKIN, I. A.

52-2-39/60

AUTHORS: Zykov, D. D. , Lytkin, I. A. , Sobolev, G. V. , Khlebnikova, V. V.

TITLE: A Device for Recording the Distillation Curve (Pribor dlya zapisi krivoy razgonki)

PERIODICAL: Zavodskaya Laboratoriya, 1958, Vol. 24, Nr 2, pp. 222 - 223 (USSR)

ABSTRACT: An automatic device recording the boiling temperature and the amounts of distilled substance in rectification columns was developed (according to WTK) at the institute mentioned below. The distillate flows into a container, which is in equilibrium on beam scales with weights (from an automatic apparatus). The weight of the distillate causes a lowering of the beam, which short-circuits a contact and thus causes the operation of a relay, which again starts off an automatic device. A paper slip begins to move, which is adjusted according to temperature by a thermocouple, the temperature being recorded on the slip. A galvanometer records the curve until the appliance released at the same time for the balancing of the weight

Card 1/2

32-2-39/60

A Device for Recording the Distillation Curve

re-establishes equilibrium and thus releases the trip-up contact. A figure showing the apparatus and a distillation curve (HFK) is given. There are 2 figures, and 1 reference, which is Slavic.

ASSOCIATION: Moscow Institute of Chemical Machine-Building
(Moskovskiy institut khimicheskogo mashinostroyeniya)

AVAILABLE: Library of Congress

1. Distilling plants-Equipment

Card 2/2

LYTKIN, I.I.
GORRELIK, A.M., inzhener; OSIPYAN, A.V., kandidat tekhnicheskikh nauk; otvet-
stvennyy redaktor; ZIL'BERBERG, Ya.G., inzhener; BRILING, N.R., doktor
tekhnicheskikh nauk, professor; KALISH, G.G., doktor tekhnicheskikh
nauk, professor; MEZIN, I.S., doktor tekhnicheskikh nauk; PEVZNER, Ya.M.,
doktor tekhnicheskikh nauk; KHRUSHCHEV, M.M., doktor tekhnicheskikh
nauk, professor; BRYZGOV, N.N., kandidat tekhnicheskikh nauk; KOZLOVSKIY,
I.S.; kandidat tekhnicheskikh nauk; LYTKIN, I.I., kandidat tekhnicheskikh
nauk; RAMAYYA, K.S., kandidat tekhnicheskikh nauk; BUTYLKIN, A.G., tekni-
cheskiy redaktor; MATVEYEVA, Ye.N.; tekhnicheskiiy redaktor.

The effect of vertical forces on automobile wheels. Trudy NAMI no.65:1
'52. (MLRA 8:11)

1. Direktor NAMI (for Osipyan)
(Automobiles--Wheels)

L 35954-66

ACC NR: AP6027357.

SOURCE CODE: UR/0102/66/000/002/0085/0087

AUTHOR: Lytkin, I. P. (Khar'kov)

ORG: none

TITLE: Problem of the synthesis of optimal control

SOURCE: Avtomatyka, no. 2, 1966, 85-87

TOPIC TAGS: vector, optimal control

ABSTRACT: The author considers the problem of determining a control function such that the deviation of the controller always stays within specified limits and the number of control switchings sufficient to place the mapped point at the coordinate origin remains constant regardless of the initial values of the vector of phase space. The calculations are based on the Hamiltonian function. Orig. art. has: 1 formula. [JPRS: 36,517]

SUB CODE: 13, 12 / SUBM DATE: 30Mar65 / ORIG REF: 005

ms
Card 1/1

ACC NR: AT6022369

SOURCE CODE: UR/0000/66/000/000/0066/0069

AUTHOR: Lytkin, I. P.

ORG: none

TITLE: Synthesizing optimal stabilization systems withstanding random disturbances

SOURCE: Vsesoyuznaya nauchnaya sessiya, posvyashchennaya Dnyu radio. 22d, 1966. Sektsiya teorii informatsii. Doklady. Moscow, 1966, 66-69

TOPIC TAGS: control system stability, optimal control

ABSTRACT: If $x = (x_1, \dots, x_n)$ are the coordinates characterizing the state of the system in question and satisfying, at any time, the equations: $\dot{x}_i = f_i(x) + b_i u + b_i \eta_i$, $|u| \leq 1, i = 1, \dots, n$, then the stabilized system described by these equations will have an optimal functioning when the control $u(x), |u(x(t))| \leq 1$.

Card 1/2

ACC NR: AT6022369

provides a probabilistic stability to the above equations and minimizes this

functional: $J = M \left\{ \int_0^{\infty} \varphi(x(t)) dt \right\}$; here, $x(t)$ is a solution of the above equations with

$u = u(x)$, $x(0) \in \Omega$, where Ω is the controllability range; $0 \leq t \leq \infty$. The probabilistic stability is defined. The above optimal functioning problem can be reduced to selecting, from a set of permissible controls, such a control which minimizes the functional J . To this end, two auxiliary theorems are proven, and a possibility of finding (by the method of least squares) a function $W(x)$ is shown,

the optimal control being given as: $u = -\text{sign} b \frac{dW}{dx}$. Orig. art. has: 11 figures.

SUB CODE: 13, 09 / SUBM DATE: 28Apr66 / ORIG REF: 010 / OTH REF: 001

Card 2/2

LUK'YANOV, V.I.; MYSLIN, V.A.; SHNEYEROV, A.I.; KHORKHOT, A.Ya.;
 YELENSKIY, M.S.; MEL'NIKOVA, O.M.; PLESHKOV, L.Ye.; OHLOV, V.V.;
 ZLATOLINSKIY, V.N.; VISHNEVSKIY, F.L.; LAPSHENKOV, P.G.; MAKHOV,
 M.S.; RUKAVISHNIKOV, I.D.; LITKIN, K.F.; KOZHEVNIKOV, O.A.;
 ZORKIN, G.N.; NORMAN, B.B.; TUMANOV, N.S.; SEREBRYANIKOV, S.M.;
 VOLKOV, N.G.; NOVIKOV, P.G.; FRIDBERG, G.V., inzh., red.izd-va;
 GELINSON, P.G., tekhn.red.

[Designing chief plans for industrial plants; principal methods]
 Proektirovanie general'nykh planov promyshlennykh predpriyatii;
 osnovnye polozhenia. Moskva, Gos.izd-vo lit-ry po stroit.,
 arkhitekt. i stroit.materialam, 1960. 103 p.

(MIRA 13:6)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut gradostroitel'stva i rayonnoy planirovki. 2. Nauchno-issledovatel'skiy institut gradostroitel'stva Akademii stroitel'stva i arkhitektury USSR (for Khorkhot, Yelenskiy, Mel'nikova). 3. Gosudarstvennyy institut proyektirovaniya metallurgicheskikh zavodov (Gipromet) (for Pleshkov).
 (Continued on next card)

LUK'YANOV, V.I.; KHORKHOT, A.Ya.; ZORKIN, G.N.; NORMANN, B.B.; PLESHKOV, L.Ye.; LYT'KIN, K.F.; KOZHEVNIKOV, O.A.; TEMCHIN, N.A.; ORLOV, V.V.; ZLATOLINSKIY, V.N.; MAKHOV, M.S.; RUKAVISHNIKOV, I.D.; SHITOVA, L.N., red.izd-va; OSENIKO, L.M., tekhn.red.

[Instructions for drafting general plans of industrial enterprises] Ukazaniia po proektirovaniu general'nykh planov promyshlennykh predpriatii. Odobreny Gosudarstvennym komitetom Soveta Ministrov SSSR po delam stroitel'stva 15 noiabria 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1961. 131 p. (MIRA 15:2)

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